

SEQUENCE LISTING

(1) GENERAL INFORMATION:

- (i) APPLICANT: MOZES, Edna
WAISMAN, Ari
- (ii) TITLE OF INVENTION: SYNTHETIC PEPTIDES AND PHARMACEUTICAL
COMPOSITIONS COMPRISING THEM FOR THE TREATMENT
OF SYSTEMIC LUPUS ERYTHEMATOSUS (SLE)
- (iii) NUMBER OF SEQUENCES: 10
- (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: BROWDY AND NEIMARK
 - (B) STREET: 624 Ninth Street N.W., Ste. 300
 - (C) CITY: Washington
 - (D) STATE: D.C.
 - (E) COUNTRY: United States of America
 - (F) ZIP: 20001
- (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 08/913,994
 - (B) FILING DATE: 29-SEP-1997
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: PCT/US96/04206
 - (B) FILING DATE: 27-MAR-1996
- (vi) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: IL 113,159
 - (B) FILING DATE: 28-MAR-1995
- (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: BROWDY, Roger L.
 - (B) REGISTRATION NUMBER: 25,618
 - (C) REFERENCE/DOCKET NUMBER: MOZES=2
- (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: (202) 628-5197
 - (B) TELEFAX: (202) 737-3528

(2) INFORMATION FOR SEQ ID NO: 1:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 20 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS: single

(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

(D) OTHER INFORMATION:/note= Xaa in position 5 is Met, Ala or Val;
Xaa in position 6 is Gln, Asp, Glu, or Arg; Xaa in
position 7 is Trp or Ala; Xaa in position 8 is Val or Ser;
and Xaa in position 9 is Lys, Glu or Ala.

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

Thr Gly Tyr Tyr Xaa Xaa Xaa Xaa Xaa Gln Ser Pro Glu Lys Ser Leu
1 5 10 15

Glu Trp Ile Gly
20

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 20 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

(D) OTHER INFORMATION:/note= Xaa in position 9 is Thr, Val or Ala;
Xaa in position 10 is Thr, Val or Ala; Xaa in position 11 is
Tyr or Phe; Xaa in position 12 is Asn or Asp; Xaa in position
13 is Gln or Glu; Xaa in position 14 is Lys or Glu; and Xaa
in position 15 is Phe or Tyr.

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

Glu Ile Asn Pro Ser Thr Gly Gly Xaa Xaa Xaa Xaa Xaa Xaa Xaa Lys
1 5 10 15

Ala Lys Ala Thr
20

(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 20 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

(D) OTHER INFORMATION:/note= Xaa in position 6 is Phe, Thr or Gly;
Xaa in position 7 is Leu, Ala or Ser; Xaa in position 8 is
Trp or Ala; Xaa in position 9 is Glu or Lys; Xaa in position
13 is Met or Ala; and Xaa in position 14 is Asp, Lys or Ser.

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

Tyr	Tyr	Cys	Ala	Arg	Xaa	Xaa	Xaa	Xaa	Pro	Tyr	Ala	Xaa	Xaa	Tyr	Trp
1				5					10					15	
Gly Gln Gly Ser															
20															

(2) INFORMATION FOR SEQ ID NO: 4:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 19 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide

(ix) FEATURE:

(D) OTHER INFORMATION:/note= Xaa in position 4 is Met or Ala; Xaa
in position 5 is Asn, Asp or Arg; Xaa in position 6 is Trp
or Ala; Xaa in position 7 is Val or Ser; Xaa in position 8
is Lys or Glu; Xaa in position 9 is Gln or Ala; Xaa in
position 13 is Lys or Glu; and Xaa in position 14 is Ser or
Ala.

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

Gly	Tyr	Asn	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Ser	His	Gly	Xaa	Xaa	Leu	Glu
1				5					10					15	
Trp Ile Gly															

(2) INFORMATION FOR SEQ ID NO: 5:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 18 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide

(ix) FEATURE:

(D) OTHER INFORMATION:/note= Xaa in position 6 is Ser or Phe; Xaa
in position 7 is Gly or Ala; Xaa in position 8 is Arg, Ala
or Glu; Xaa in position 11 is Asn or Asp; Xaa in position 12
is Tyr or Phe; and Xaa in position 13 is Trp, His or Ala.

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

Tyr Tyr Cys Ala Arg Xaa Xaa Xaa Tyr Gly Xaa Xaa Xaa Gly Gln Gly
1 5 10 15
Thr Leu

(2) INFORMATION FOR SEQ ID NO: 6:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 20 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

Thr Gly Tyr Tyr Met Gln Trp Val Lys Gln Ser Pro Glu Lys Ser Leu
1 5 10 15
Glu Trp Ile Gly
 20

(2) INFORMATION FOR SEQ ID NO: 7:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 20 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

Glu Ile Asn Pro Ser Thr Gly Gly Thr Thr Tyr Asn Gln Lys Phe Lys
1 5 10 15
Ala Lys Ala Thr
 20

(2) INFORMATION FOR SEQ ID NO: 8:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 20 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

Tyr Tyr Cys Ala Arg Phe Leu Trp Glu Pro Tyr Ala Met Asp Tyr Trp
 1 5 10 15
 Gly Gln Gly Ser
 20

(2) INFORMATION FOR SEQ ID NO: 9:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 19 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

Gly Tyr Asn Met Asn Trp Val Lys Gln Ser His Gly Lys Ser Leu Glu
 1 5 10 15
 Trp Ile Gly

(2) INFORMATION FOR SEQ ID NO: 10:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 18 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:

Tyr Tyr Cys Ala Arg Ser Gly Arg Tyr Gly Asn Tyr Trp Gly Gln Gly
 1 5 10 15
 Thr Leu